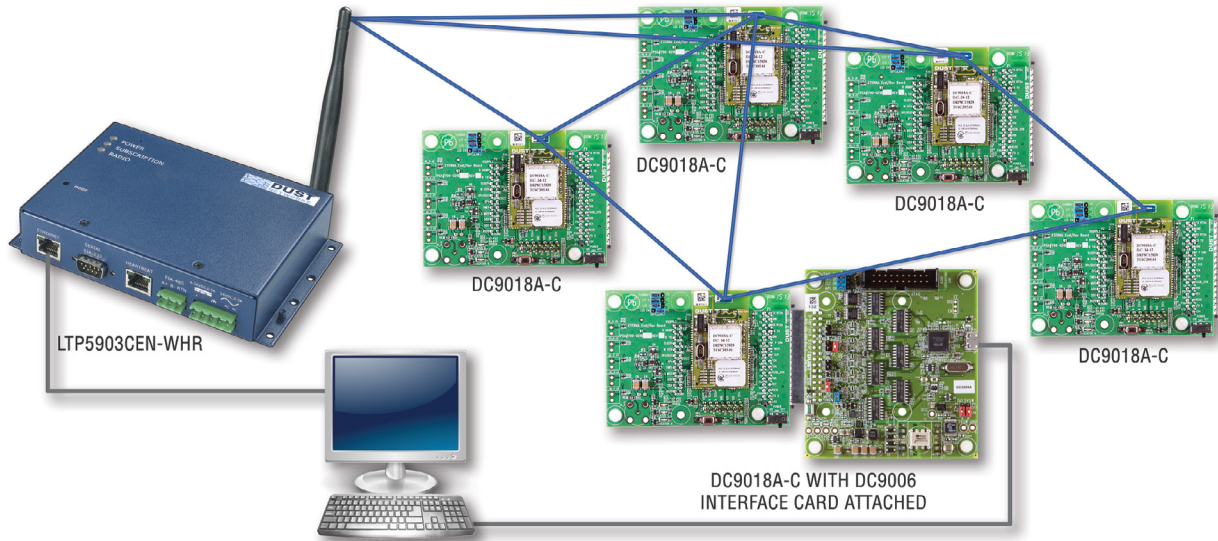


# DC9022 SmartMesh WirelessHART RF Certified Starter Kit



## Wireless Mesh Network, Wired Reliability

The DC9022 SmartMesh® WirelessHART RF Certified Starter Kit provides all the tools for evaluating SmartMesh network performance for your application needs, including high reliability, ultralow power, scalability and ease of installation. This accelerates device integration and application development.

The DC9022 Starter Kit includes five motes or nodes (DC9018A-C) to enable users to quickly deploy a multi-hop mesh network in the RF environment for your specific application. The software graphical user interface (GUI) allows you to quickly see the mesh network form, as well as key performance statistics, such as data reliability and latency.

The DC9018A-C Evaluation/Development Mote Modules feature easy-to-probe signal pins. In addition, the starter kit provides access to both manager and mote software application programming interfaces (APIs) to enable application software development.

The DC9022 Starter Kit operates in the 2.4000GHz to 2.4835GHz international license-free frequency band and includes RF intentional radiator certifications for Japan, as well as the United States, Canada and Europe. Starter kits and demo boards are for evaluation purposes only. It remains the user's responsibility to verify proper and reliable operation in the actual end application.

### About SmartMesh WirelessHART

SmartMesh WirelessHART products are designed for the harshest industrial environments, where low power, reliability, resilience and scalability are key. They are well suited for general industrial applications as well as WirelessHART-specific designs. SmartMesh WirelessHART complies with the WirelessHART (IEC 62591) standard, offers the lowest power consumption in its class, and is the most widely used WirelessHART product available.

Field proven and robust, even in the harshest environments, the SmartMesh WirelessHART product line is a full mesh networking solution for general industrial applications. For applications that are not HART-specific, no knowledge of the WirelessHART specification is needed to integrate with SmartMesh WirelessHART. Simply proceed without the optional HART application layer.



# SmartMesh WirelessHART Components

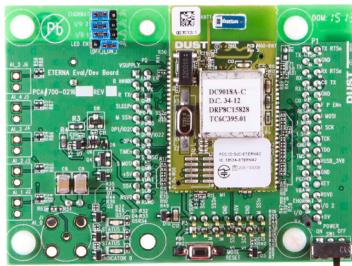
## LTP5903CEN-WHR SmartMesh WirelessHART Packaged Manager



**SmartMesh WirelessHART Network Manager** anchors the SmartMesh WirelessHART product line. It provides the core networking functionality, enabling the network to achieve unsurpassed levels of resilience, reliability and scalability, with advanced network management and comprehensive security features.

**LTP™5903CEN-WHR Packaged Network Manager** incorporates the LTP5903IPC-WHR SmartMesh WirelessHART Embedded Manager and provides connections for power and manager API via RS232 serial or Ethernet.

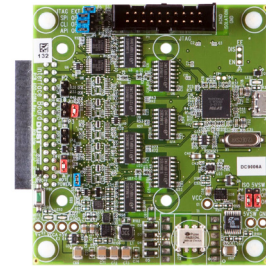
## DC9018A-C SmartMesh WirelessHART Evaluation/Development Mote



**SmartMesh WirelessHART networks** are populated by motes, the nodes on the network. Based on the Dust® break-through Eterna® technology, the motes are ultralow power, extending battery life to years and many times that of alternative products. In addition to extra long battery life, the motes feature an advanced array of features.

**DC9018A-C Evaluation/Development Mote** incorporates the RF-Certified LTP5901-WHM SmartMesh WirelessHART Mote PCB Module (including chip antenna) and a CR2032 coin cell.

## DC9006 Eterna Interface Card



When connected to a DC9003A-C Evaluation/Development Mote, the **DC9006 Eterna interface card** provides a USB connection for both power and software access to the mote API UART port.

| Part Number                                                                                                      | Description                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Starter Kit</b>                                                                                               |                                                                                                                                                                                                                                                                                                                     |
| DC9022                                                                                                           | SmartMesh WirelessHART RF Certified Starter Kit Includes: <ul style="list-style-type: none"> <li>▪ One Packaged Manager (LTP5903CEN-WHR)</li> <li>▪ Five Evaluation/Development Motes (DC9018A-C)</li> <li>▪ One Eterna Interface Card (DC9006)</li> <li>▪ Additional CR2032 Batteries</li> <li>▪ Cables</li> </ul> |
| <b>Additional Managers, Motes and Interface Cards</b>                                                            |                                                                                                                                                                                                                                                                                                                     |
| LTP5903CEN-WHR                                                                                                   | SmartMesh WirelessHART Packaged Manager                                                                                                                                                                                                                                                                             |
| DC9018A-C                                                                                                        | SmartMesh WirelessHART RF Certified Evaluation/Development Mote                                                                                                                                                                                                                                                     |
| DC9006                                                                                                           | Eterna Interface Card                                                                                                                                                                                                                                                                                               |
| The DC9022 has RF intentional radiator certifications for Japan as well as the United States, Canada and Europe. |                                                                                                                                                                                                                                                                                                                     |

To purchase the SmartMesh WirelessHART Starter Kit, please contact your local Linear Technology sales representative or visit [www.linear.com/demo/DC9022](http://www.linear.com/demo/DC9022).





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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